AVAILABILITY OF THE PUBLISHING COMPANY, INC. AUGUST 1, 1944



Martin Version of Short-Range Transport: This drawing of the Glenn L. Martin Co.'s Model 202-12 depicts a high-wing version of a short-range 30-pussenger plane, with a useful load of 10,658 lbs., designed to meet Air Transport Association's A-1 requirements. (Story on Page 43).

Plane Production Goal Cut 15,000; Rate Stabilized Employment totals must be kept at peak to meet requirements; more planes than this year to be built in 1945 in five of nine categories. . . . Page 7

Martin Submits Data on 30-Place Short-Range Plane

Drawings on projected short-haul transport, designed to meet ATA-A1 specifications, are turned over to Requirements Committee..........Page 43

 AAF Maps Aviation Demobilization After Nazi Defeat
Proposed adjustments may give hint as to extent
to which civilian plane manufacture may be re-

Confusion on Horsepower Due to Varied Ratings

HYDRAULIC POWER



FOR Lockheed CONSTELLATION



calls and consuments magnetic the desired account rade The Virkers Power enterstates In delivers the volume of fitted required by the budged's region. When the requirement devolume is needed, the proton stroke is longthered. Never in over in the system at all times with very little horospower.

The warfable values name classificates the accounty for the As shown by performance europe, volumetric efficiency and averall efficiency are very high-1790 and and maximum recommended speed is second is 15.0 ho at 2700 run. The water or

R & Incorporated

1404 OAKMAN ROBLEVARD PRESNARA AND RELIGIAS OF DIL HYDRAULIC PROSPERT SINCE 1924

Provided by VICKEDS

VARIABLE VOLUME

PISTON TYPE PUMPS



THE AVIATION NEWS

Washington Observer

PRODUCTION LAGS-Top Army and Navo officers. Congressional leaders and production officials in Weshington are making so effect to conceal their contern ever a fallian off in the production was a little below schedule-on even 5.000 slaves. Turbral reconcensurity of the services annarreally see being met, or there would have been some mention made of it at recent conferences in Weshiruran at which the production law was discussed and plans had to executes deficiencies. SLUMP FACTORS-An important factor in

the production slages to the lare of his-name and old-line companies offering peacetime careers. Intentionally or medvecteatly, such companies are diverting smart engineers, remen fear that aviation will stamp and they will mercefacturers want aroraft men because of their fresh viewpeant on design, alreads for lightweets and precises of fabrication. Some of the surceast magrafacturers have appealed to

NATIONAL SERVICE AGAIN?--- Industrial convergatatives in Washington courses the existen that the organized compairs of seven conferences and statements lounched last week

hy military and naval officers to emphasize manpower shortages as a couse of production lags h the beginning of another effort to owing a National Service Act. Although Gen. Sametrall corres he carefully extrateed from mentioners other programs which are in read condition including overest, muritime, and raval con-struction. Industry association sources in the capital painted out further that the General 464 not make clear here work of the reduced wredowtion was due to cuthurbs initiated by the case.

JUNE REPORT DELAYED-Debet observers noted that Donald Nelson's monthly overall re-AVIATION NEWS . August 7, 1044

until Thursday of last week, much overdoo It as rustomary for OWI to clear such producmeet that they were too invarible. When this reason was nubbehed by the areas, however, the statution were cleared sumedials. The Wes



Morbet Provenile Transpose.

so a ferce inter-agency conflict

CANAGIAN BASES A-United States and Canado are not averlooking long-range loint defrene plans in the vital areas northwest to Alaska and northeast terrard Europe, despite Cazadina payments for the sirbeses built by the U. S. Goose Boy Air Base in Laborday, key to the northeast staging route to Europe, in beld by Cuznia under 50-year lease just as besen of the British Calculus in the defense eress off the U. S. Coast and in the Caribbean ere held by the U. S. Gassahand and Iteland ershubtedly will remain part of the defense network vital to U. S.-Conndian safety in another was. Little known bases are situated at The Pas and Churchill on Hadron Ray South



APRED OVER THE PACIFIC—A WAY MAY flyon time. It took leaver to get from the West to the marriand It illustrates what the Japa will be up against when the weight pales up in the Pacific, when planes can leave elembed stag-

CERTIFICATED AIRCRAFT TOTALS-Estimate of the number of private aircraft fiving in the U. S. is set at 9,000 by the National Acrenyster Americans, contrasted with arrested. match: 5 000 a few months are. Evert finares carnet be arreared because of the registly changing perture as allotments of precessions craft in the U. S. show 22.927 as of Jun L. 1944 These include six carrier, Federal and state creds. As of the same date there were 22,323 private, non-nir-carrier planes. None of those tabulations include military or saval alreadt.

automobile compenies manufacturing airplanes. with a demand that all places he officially merely Thursderbolt or P-97. Only Republic makes Thresferbolts, but others are suffering all its parts. On the other hand, plane companies which have been content to let the credit foresties at a time when company memos and

trademarks should be before the public.

to shift radio procurement for the Army Act Farces from the Signal Corps to the AAF, an-

haugeton bland in Frebuber Say and Fast Corps, in which assistion was once a division. because of the confusion and deplication that would result. It seemed strange to some obcarrier that tan Army men would second decontrollection of corrhesing when the Arres's chief paint for particular of the services has been controlled of common supplies—and reary radio iteres are company to both ground

> PRODUCTION SIDELIGHTS-These develconversation in Washington No average company yet, according to present and notantial arrive operators, has submitted a denim sourceching the ideal feeder line airgraft. One of the first tasks before members of the new Feeder Airlines' Association will be to pinner for enlightenment of manufacturous iss-Wright Convenands has been set back from Few if any Bell Kingcobean are to be used by

One of the latest emerimental orposals of the AAY is engineers a single Curtiss Cortmends with trierde sear, although the propert Runhlings in the industry indicate important

said the effect made by a few artines, manly tone, the progress of the war to Possee, the pressure from topside to not lives certificated and the dence to avoid some type of coverns ment poemtion built around the ATC CAR taken but little stock in assuments that it will be too great a burden on autimes if hearings on ly antomord Pophably underlying reason in the that U. S. swinting presure study for the post-war period and new that the chance is of-

fered. CAB feels that oleas for delays are un-

other step on the read to complete natomorny. AVIATION NEWS . August 5, 1844



AVIATION NEWS . Aspet 7, 1944

named or Fard Suppler on

AVIATION NEWS

Educaid Hendqueries,

Publication and Essentine Office

Moneyone Edition

War Agence

COMMUNICATIONS

MUST NOT FAIL! In the cold of the North ... in the heat of the



BEACH OFFICES, WITH WALKIR TALKIE BADIO, COORDINATES ATTACK DURING AFAICAN CAMPAIGN,



CONTINENTAL DIAMOND

Electrical Insulating Materials are engineered to retain stability from 70°F, below zero to 160°F, above zero, Bulletin GF gives complete sechnical dara on all C-D products Dilego Dilegrene Vulcoid Diamond Fibre Celoron

THIS DILECTO nuctured in Sixual Corps equip-

THIS DILECTENE correspond to stand up under narrand to Millors radio couls. ment has especially low loss premes. mechanical properties are stable

ever a wide tunge of frequencies.

ontinental - Diamond

1895 Menefortures of Inscinated Finding since 1911-NEWARE 4 . AVIATION NEWS . Amen' 7, 1946

Plane Production Goal Cut 15.000; Rate Stabilized at Present Level

type begibers. Schedule for this Femiles ment needs most be kept at peak to meet requirements: year cut only slightly, but 1945 more planes than this year to be built in 1965 in five of nine production in both types will excategories; one new group to be added. Be WILLIAM G. KEY

mais reduced nearly 15,066 clanes Actually, the Well scorron virtun'by stabilizes needuction at peenremaining at 186,000,000 nounds per month until Germany is defeated. There then will be advestreacts to meet the new decayads of P'Prest" Adventment - Form

though the cash have been reduced, production this year will in 500 planes a month of current hardly more than "easer" saltastbelance of this year actually, than avent be produced in greater quan-

levels must be kept at present

eventy of employees in accordi Here is the production picture by types of planes: Puriones appount for atmost half the substitute reduction this role and next year, but more planes in

next year than will be delivered as 1944. The decrease in goal than and 10 percent in 1940, but some 2.000 more are scheduled for pro-Heavy Bunbers

Goal for 1944 is reduced only sharbily more than 190 places, almost one-fourth next year. Howgions will keep surframe rate in

trepated totals for 1945 have been increased over the previous schodthe The schodule bowever for 1945 were less their half this wear's

Links Bombers Two types are included in this

catagory - twin-engine attack

cond articipated deliveries this your even though the schedules Naval Recommissioner

almost influsterimal, but producfour times this year's, reflecting on-

tempated needs in the Pacific the-Photographic Not on this year's schedule, seem will be read special in 1945.

this enterory must be preduced Transparts

tion in 1945 schedule only slightly more. However, total production will morense over this year's. Schoolate reglaced serviced hun-

Schedule out between sucht and

gige percent this year, increased year with production removing

Another factor in the production sicture that will affect beauty



The new Publical Rell Kineroles.

AVIATION NEWS . Arrest 7, 1966

R. Wilson, vice-charges of the combet in the plants of the original manufacturers. This undestructive crease in changes on the produc-

Pan American Seeks

Mass Overseas Trade Appelles for CAB approval on

new Latin American sount 65 pererre below current levels, orders 60- and 80-passenger transports dependent on government go-Pen Amenesa Awways, secking the indistive in the competi-

tion for post-way overseas au traffic, last week announced the füthroughout Latin-America. Juan Delay Scen-The ectire new

Frinde Balances-Juan Troppo stratesphere flyster at 200 yeah. ber of tisses under outtract are Congress Speeds

\$3% Cents a Mile-The new rates one or law or \$10 cents now make to the present average of \$74c to Buence Aires would be \$190.00 compared with \$951.35 new Tompa to Havena is \$17, formerly \$34. New York to Puerto Rice is 181. formerly \$181.35. They are based on travel sitting up. De lasse same transports will increase mile-

transportation charge

July Output try should be able to meet the

Nearly 63,000 employee were Jabe centrary won 400 below

Reconversion Bills

by the name of Albert advances in

tingency during the full months.

and that some plants about Sensitements Met-To- doaccepted Wilson and because arplanes. The program calls for the categor of 0.354 planes. seen difficulties arme the indus-

Dyless unusual hosts in shown, however, it probably will be sev-CAR approval, will average 25.4 cents a ton-rule compared with

N.20 Productors - Wilson

disclose that four more Beging

made last mostly than were

War Mobilization Director James F. Barres and leaders of both

newly-established Office of Con-Surveys Made-Studies are untion for disposal of surplus were

Supplementing these studies

AAF Maps Demobilization Plan For Aviation After Nazi Defeat

Proposed adjustments, transmitted to Production Executive Committee of WPB, may give hint as to extent to which civilian plane manufacture may be resumed. Detailed plans for advertment of gin work on post-way planes, and

planes should be granted the same

precentives if war output is pre-

ceeding on schedule, if no major

terfere with war plane production.

pate in this program will be those

wanted tactical planes (c.g. the Su-

perfortess) " They will be pushed

to the utmost for some time if milli-

rome time. However, Mr. Wilson

tagether resources that comple-

Then pleats with a high degree of

the average production program that plants producing military been tears wetted by the Army Air Forces to the Production Executive Coverence headed by Charles E. design pertisons are in prespect and the War Production Board These sixes are now been proccount by PEC and when correlated PEsceptions-lie understor that the

The fact that the plans have their content is given, is revenied in a written statement of Mr. Wilson to the Marray War Contract Schroeumittee of the Senate Military Affairs Committee, which has been conducting reconversion bearings. The statement will be

Some Plants to Continue-Schootion of plants to be returned in military production or in stand-by statement as a tesk of greet complexity. His main good in thes work, which indicates the reversal to when the best balance agreed tary utilization of the plant, effimore crytism origut, possiblities norths in the reservanting of civils. A Property Wilson industrial to his

many, providing only that onarbotals outrest of resistance accounts

The Wilson statement subgrits that plants whose schedules have been cut back to less-than-expectly output should be permitted to be-AVIATION NEWS . August 7, 1946



CIVIL AIR ATTACHE Licenseton Sattertinosite is the fret State Department official

has dames at London. For five for the Department, both in Washtecton and London. He is borned real agreement with the ACCA on

posited out that there would be comparations in such a continued warplane schodule, once there be formulated immediately, dealing with the extent of participatary aircraft field." However, 46 he sessis out, most oversused class mad and narred root movehallding these models are operat-

than the domestic market for PEC is proceeding with coelinging studies of mulitary requirements to plants but offets, groupd crews. branch facilities for Americangivilian roods when the German defeat releases much of the na-Licipation is foreign august manu-

The best impurance sessing dasales Ecrolowment in this field mucht reach that of the automobile undustry College polot trauma war feelilies which were enrared could monly military priors and standate demand for private subcontracting will be released

Wilcon's statement reveals sen- plane magnifacturers released from

warplane production to insure on- were contenne natural Halmahava island, some 460 roles south of gincering improvements. One of the most proportion phones of post-wer ar triprepert will be begreen from and sprenment awares for meedy lurger re- against Towns and Guaraouned for the most efficient pres-

Luftwaffe Thrown in To Slacken Retreat Nasis again using sizable mareconstitutionally about on Normandy and Ressen fronts.

There are mounting indications their air force is an effort to slow ar large or 60 Forles-West 1967s and Messanurherett 188's Some of cobru is 50 percent greater than bombs, suggesting that the Garfor agtacks on Allied tanks and

used by the tartical air of the Al-Allse 1 990 Plance in West-The Name are not believed to be able

network They are not used in the great sambers reased in the regress the Leaves works at Merca-

Italian front spoke of Alised planes from Yugasiava, but it is probable that only represted fields are be-I Ale War in Pacific-In the Pasurport of ground operations

used as even forther white more efficient fight crews are boung trained in Japan. The eccury has P-63 Kingcobre is replacing the

Kingcobra Helps Pace Russian Drive Soviet Air Force surring bulk of

Bell production of new improved Ceéra model.

The Business have reported a colors is replacing the P-38 Area-resurgence of Nea are sciently, parcolors in section The Red Air Perce essentially the same with a 22

anticipate specialized slobal re-Celling 25,000 Feet-The Kengsurpresents of the long-range cobes version incorporates a law begaber offs, Seathern Pacific conceptors that, lettings flow wind four feet a Traces Seethands Production-AVIATION NEWS . August 7, 1944

Ann. Hold-French Alberth Chard ACCA.
Bard Longaton New York, Y. Y.
Ann. Holls. Month Caroline State Aviana
with Cherkets.
Ann. H. Cherkets point District Information Comthe clouding was despectively.

Aug. 24-35-3522 West Come Verseportation and Maintenance Meeting. Even Mainund Majamanous Merima, Rivid Haltz-man, Perthand, Gas Jan. 2023 - Guarda Arguni Maja-papana: Lenderson, Admin Francisco January Ardenie, Ma. San. 20 (Transisted Andrew Northwell Com-mittee Admin). Equalization Commis-gari, Vicel Front of Commission, New York.

Are Meday Associates Associated Associated Sciences Associated Sciences Associated Assoc City National Ellete of Describe Artetion Florades, Oklobrom City Day, 65-2AN Repeat Air Corp. Hordon Dec & Defined Annel Mories, Arreiter Englishman and Manderson Arreiter ton Julium Reid, St. Lorin, No. langer than that of the Associous

a higher speed for high altitude ing of 25,000 feet compared with 30 665 in the Arrenters. The horsenamer rating is 300 creater in the Keepestre Allison than the strate stage Allison used in the Avuofficially rated at close to 400 creds -

The Emergher changes been added 192 pounds to the weight of the skyp, and a four-bladed Aero-

Bendix Unit to Raise B-29 Parts Output

Emazage of resolution of vital Aviation Corp. which as the of-Band "N" plant at Emira, N. Y. A loint agreement by Ecliper and AAF officers and production will get under way as poon as nonsupport plane against tanks and artiflery positions as well as a tunction with AAF engineers to

rum (D. Ve.) is cherrose and in The Carl L. Montes Co., which has operated the plant as managing arest for the Navy ages New 1963 new is eradually terminaling in Elmira ste production of Nordea. bombuithts, due to fulfillment of the Nevy's current requirements,

New 1941 Navy Gets 17 Army Air Installations Seventore frence Army as in-

the Navy Department in the past besserardy in using five other Army surfields and AAF facilities at five neval unstallutions have been One question asked by Congresslast Constitution on Post-Way Miletury Delice of which Den Wood-

service. It was posited out that wherever possible this has been made public Facilities Transferred - Following with the former Army name given first and the new Navel title in

parentheses

Part Devens Army Air Field (No. vol Againsty Air Fieldity, Ayer, Moss.) Festionith Army Air Field (Part and)). New Recombinal New Hongstolval New Hoddord Army Air Field (Na al Auxiliary Air Facility, New Hol-wel, Mana.) Olio Field, Comp. Edwards. Mana val Auditary Sprilly, Grains, Mass.

Acknowlin Army Air Field, J. sontine, Fig. (Natal Auxiliary Satter, Maniginal No. 1, Justice) World Hider Army At Park Wal nat Hidge, Ark (Maries Curpt Al-Pagility, Walnut Hidge, Ark.) Curps Air Field, Newport Namport Army All Finds, Stepper in, (Manua Curps Air Facility topper, Ark) Twenty-Piline Facility Air Station of (News) Austiney Air Station worthy-Nine Folker, Onl.) Venture County Airport, Cell (News, austiney Air Station, County Airport, Venture County Airport, Venture County Airport, Venture County Airport, Venture County Ollary Air Stabon, San Nicolan reninis Arrey Air P904, Corvelta (Morine Corpo Air Foeliky, Cor Port Assister Aprel Ale Field, Port

Chinard Congress of Paid, Graping lets, Peterbury Municipal Airportamburg, Vo., Occhard Piece Air et, Paid Edge, III; Lared Arm, Paid Laure Miss, and You



NEW WEST COAST HILLIER-COPTER: completed and fours morearfully on the West Coast (AMATION NEWS, July 31, Page 13s). The young incenter, sake was 16 when he started the propert, is

machine's 50-horsepower Fronklin engine and rates taken in the University of California stadium, where steret test flights have been under you since last May Profile sectore of the 'copter on a dresmay shows the position of confrerotating rotors at the pect of erecover

news sented on the 'copter during a shop run of the

AVIATION NEWS . August 7, 1944

FEDERAL DIGEST

DPC Adds \$1,300,000
To Higgins Contract
Brings total containment for
New Orleans Community bis
SECONOD: summary of
work's activities to U.S. and war
agencies.
By MARY PAULINE PERRY

By MARY PAULINE PERRY
Defense Plant Corp. has acreased its centract with Higgses
According to a power additional
equipment of the plant Cartin Conleast member processed by \$1,00con being upon on additional
contract of the plant cartin Concontract of the Cartin Conditional Contract of the Cartin Conditional Contract of the Cartin Concontract Corp. Cartin ConContract Contract Contract ConContract Contract C

bouse of one hasses, resulting in over-all conventions of shoul \$1.000,000. Accounts on its of \$1.000,000. Accounts on its of the convention of the conventi

The part of the Day 21, 1944. However, during the proportion standard received in the part of the part

gaseous, hourd and solid earlier disorde to the last of affected chemicals. Special Tualing—A person who has the right to buy controlled materials for maintenance, repair and operating supplies under any regulation of the Bloom any use has

shapen of the Board may use he all states it marker or symbol to key such material to make special tooking for his own use, even if the special tooking will belong to his contoner after the completion of the outract, with said.

A revised edition of the "Merical"

DARE DEVILE

Lethnegle opponents of Leon. Col.

Lethnegle opponents of Leon. Col.

Lethnegle opponents of the Frees,
set a traprise takes they seet this
gendrien constanted of a NealAir Frees Sphare group in action
over Frence. Be translable seems
four hormed helvest takes Spans
four hormed helvest
takes Spans
helvest takes takes
helvest take

The second secon

distributionary seminary programs of the program of

methics be contracted of angles, sections at the Marce Army and facilities at the Marce Army field Loc Angles. Outwests for improvements at alce invitables and here while a centry base been let in the apaimate amount of \$254,000. Official Timer Writes Man's Fight To Fly

Man's Fight To Fly
The creation of artistion contine contains of artistion comton unity densine of Leonardo de
Vasal down is persual-day belie
copies in presented in a new book
down's Pight To Thy, by Ahn P. V.
Heiszulfer, president of Leonardo
Wittmaner World Og, Jer, who
strikes and the States of Artistics
and of the National Aeronautic Association in secondaries
with chromosometric specification of
the Telectrotion Aeromathique is
terrolatorale of which the in-cheft
Photocomical Photocomics

- Photocomics Desires

tauga over 200 documental photo-

graphs of world's air records. One section of the body agent a comprehensive historical eterosology including beed statement of the section of both and the control of the section of the

a reference work. It is published by Funk & Wagnalls Co., New York.

Electronic Flight

Trainer Developed

Development of an electronic fight trainer was Backened by G. Wynghen, president of Curtus-Wright Corp. in a diseasement of any portant contributions to accounting trainers and developments con-

tembo in the statemat report to the action of the statemat report to the statemat report to

arccraft operations by facilitating ground training of flight personnel as well as permitting pre-flight analysis of new types of arccraft while they are still in the expermental stages.

RCAF May Expand Pacific Operations

Indication that Countin as planries; grounder participation in the Position was as the European phase open at a cell in the foot that an air names has been need to the foot Antivirus was more, sended by An Vicedaryshal J. F. Bievenson, of the Bayai Countins All Force, according to an assessment of the counting BCAF creation after foot in India.

for some yeals?

Purpose of the manifest will be Purpose of the property of th

aginar Japan in the sending of men the best pure-skare for samin Canadian Ampy officers for featuring is the Bedfe area and the building up of mend steening to the building up of mend steening the paval araphana building the canadian Piecific count.

The Canadian Piecific count.

Navy Air to Spend 22 Million on Coast Navy Department plans to spend about \$22.00,400 for construction and suppresent at Novel Department of Spending Spendi

unn marked har expending secution at the Alamesta ser string forforcined an the United Broforcine and the Alamesta of the theory, gasteins starter fieldlitus and chan rooms. A large part of the fund will be une for enlarging living accommodation and expending rances as I Allamatane—The Ondood Navan accordance are nation will receive \$4,194,194 for unprovenent, and the rest will be districted among

Deserty Aircraft Used in Training: There emplains story? As: This are replaces expendentared by Bulland Aircraft Co., of non-integral material size as used for training purposes in which they have been substalled as teaching assations endanancemen, for cheeright, the probabilities of eaching assations endanancemen, for cheeright, the probabilities of eaching and certaining commer-board combot studies studied.

Replicas of Planes Used in Training Code halft lengtly by Balland

from a stranger or prevails.

Latting substitution was highly emportant activities of an Yon's in the partial activities of a Yon's in the agencial Berson Devenion which has designed replaces of combat narrodiscensing personnel.

Binco being placed in production the surrenth average deplaced in production in the surrenth average technique person with the surrenth average technique to the surrenth average technique to the surrenth average to the surrenth average in a stabilities registers and others have been valuable in technique overalter for among men the level procedure for among men the best procedure for among the surrenth electric procedure for among the surrenth procedure for a

and netwing correct-based coulds: a soft netwing correct-based coulds: a property process the registrar process can be required to the process of the registrar process conference are asset of the registrar conference to the registrar process of the registrar conference are registrary process. They are repetitively to the registrary process of t

est producers, operates on a sched- will be available after the war,

ule of one per day and has turned as minary as two or three a day as control of the control of t

\$12,883,347 Earned By C-W in 1943

and the property of the proper

Marines' Air-Ground Integration Perfected for New Pacific Action

Airmen of Corps are thoroughly trained in tactics and probiems of landing forces at Cherry Point, N. C., base in order to effect closest reasoweek between fivers and ground forces.

respect of ground troops, and a Emphasis in Merine aviation pow is toward use of planes in highly developed coordination with propried treeps. This revolucies

Now Tactics Developed-Thron new methods make it possible for mucht into the operational techoperation with ground troopsstones on a visit to the Manne N. C. where officers of the Marine

of netton, they have been wolded into a team with the Mariaca who areas. It means that Marries

Figure ark - When the fivers

expension officers of the Marrie or above have served at least several years as Marine Corps lane does pressure of building a fighting organization in the Public has payol aviators are being taught not only traditions of the Merine in operations of the ground soldier training as those offers who word to the feet. They had to become rected by older relats anth a Marine background. This took time

A Fancit de Cornes-The result is a

tillery, which can poor farward fre from ten 50-culther markins if our perpoint the most difficult

units have mad dividends. Where of landing and beathless opera-

war, young Marine flying went to When pilots from the navel schools devel discontinued June 26

For the first two years of the Bees Youn-This transmentering

report at Cherry Point. They are respected as Boys Town Bees Town is as close to a Pecific field

carep as it can be made by hand Col Eugene B. Dibell, commandvice Squidren at Cherry Peent, who now service in the toughest days of Gandalounal, and Licut. C. F. McKenna, comp commandant magesvers with air support demcompass use, march security, field hole making, and buyonet and

of which new is organizing at ing into separate groups to be used

as transport operations -w.o.s

Deny Report WASPs To Become Air WACs plans that the WASPs would be inducted rate the WAC. They deference in are range between includes 21 years to 56, whereas

WASPs are 18% to 34 years of Baraspeck whose Civil Service Investigating Committee recently deencollement of WASPs, said it was within the law to make the WASP unto flying Arr WAC's but he taken in the face of Congressional Army flying instructors who do the

Knudsen Proceeding Slowly With Changes Will my to see Massriel Con-

mend done to business organiza-Liest Gen William & Knudsen an the Air Material Services is prodividual status at present

conference in Dayles, pointed out to try to get it as close to a busi-

b Punts to Heavy Schodales-He beds in apprell production and call for 100,990 simplenes that year 1945 will show a greater total net

b May Sten Un Production-White awaiting further steen in the seen enough to indicate that the considetion and the Kraylers as-

Pennroad Increases Airline Holdings

Airline interests of the Proproed



Charles H. Gele, andebuknown lieux, how lett HWI & Knowlton to

with Hell & Knewston Gele sons control editor of Aventor mana-

Army Releases Data On ASC Controls type of sixends throughout U. S.

Some of the workings of an inwas above to a group of wristion without last May although comes tional details were then on the

beard with removable letters and cation and the type of Army air-

\$0,000 access?

As unportant part of the board Urefed States which are divided Maintenance Beeres - Other charts above, expected life of a combat plane as 18 months; cost

this year. ASC stocks 500,000 reduce this faure to 100,000 by standardination. ASC shipped pearly a milion pounds of technical supplies a day to overseas are wall and over a 41,000 mile tele-

type system. They come from ASC's 12 large depots occurs the Atlantic and Pacific courts and Fixed Base, Feeder the AAN's Are Server Command Discussions Planned Questions of fixed base and feed

A Charte and Mana... The room out - urbooks will have repreleted caded matal many betaud with man, a Decempers, Scribers will includa Eugene Fryholf, Missouri system commisseer Theres editor St. Louis Prote-Dunately

president of Reshow-Biddle Co.t.

DPC Forms Surplus Plane Sales Units

12 creces desiranted for hupding craft: 17 fields to be used

Defense Plant Corp last work created a division known as the Secretar War Asseratt Devision centers for the distribution of sur-

avestion undirect are moved. The

that fixed base operators be desspeated sales agents for surplus planes in the personal use clust-

h Mostly Traingrounds for the hold ers have been moving from surprimary trainers in the 165 ho and ferred to surplus. Chief outlet for

porardy, at least, a tel hour is



MIDCENTRAL AREA HEAD-

Sales centers are incuded 21 Arizona: Phoesix, Senilywell Ale-ways, Say Harrior Alrest Catherine Conduct Avisition Ac-tivities Co. Scornerod, Municipy Phy-Florida S. Pelanturg, Children Lugarig Say Harbor Alrysori, Tincian Langing, Bobert Sireny Fir-ing Service, Fred Lunting Arrivet, Lower Dec Montes, Dat Meeting Fir-Service Calender Appert Innerhoness North Graftin, Jen-ge Ston Air Service, North Graf-Apport. ton Action: Learing, Hughes Plying Michigan, Learing, Hughes Plying Brevice, Childs City, Allyon, Mississist, Naudespells, Lysikie Plying Bervice, Vithing Alipot, Mingon Ranna City, Dog Asseral Corp. Ong Apport. Bellering, Bery-jan Piping Bervice, Inc. Manetani in Piping Bervice, Inc. Manetani

Post. Manisen Bisless, Moreison Fivine Maches Bises, Stormon Frying rocc Namideo Airport Nahmusa: Ognika Cretral Avistics ip. Manidipal Airport Month Carelles Chartele, Cannon rosti Balo & Brv., Int., Gusten Arpait.
New Juney; Readington Ther Suberg Solvery-Hawterdon Arpait.
No. Maxico Afraganege Cutter.
Cur Franz Service, West Mon. Ac-New York Aftern Alman Average De Alberg Alreet And Albert Air Chief Checked Air Control Air Control Air Control Air Control Air Control And Control And Control And Control Petalogical Petalogi

Unds Bull Loke City, Thompson Figure Erreins, Statistical Aleger Virginia: Alexandria Anthony Fig-ing Service, Epido Villey Alegeria, Woodstrian Resident, Histon Airo, Opinion Hism Asso.

Whomese Region Arguri.

Whomese Region Arguri.

Solito College Arguri.

Whomese Region Arguri.

Solito and thomas selected arguest

Solito and thomas selected arguest

Solito and thomas arguest

Opinion Octobous City, Chemi
Tenat. Part Worth. State

Margin Arguri.

erd Arkugana Camden, Harrell Field, set Heens, Tholopson Robbins informia Bipthe, Gery Newl. orgin Augusta, Bush Field utiling. Lattrette, Lattrette Field Missouri Cope Garandova, Blerro Field McBuide, Chester Fred Okiolawa: Statiogree, 25st San Oklohoma Muskogee, 25st Eur. Field Pones City, Punes City Munich

Tennepor Jacknes, McKelley Am-150 CESAN CARDO Darre Manielmoi Pret Teans Cases, Darre Maniesper core Sociation Office Poid Lowers Lersons Field Vernos, Verlany Field CAA regions, offices are sported at Differin Chicago, 606 Sough Deurbury Minositi Kasana Cita Cita Mali Manddag New York City, 345 2516 Texts Pert Worth P O Box 2001 Westington Scottle, P O Box

25 Firms to Exhibit AtN.C.AviationWeek

North Capalina wing consennder ern Chanter of the Phen conter-

* AAF to Partiripate-Army Air

naturate in the variets pre-



power of 20 millimeter everyon and 50 salther roubing range With the more and heft of a re-NORTHROP SUSCESSION OF THE PERSON

"Year, anothers" with the shatterene murature.

And on the Northean sman is pro-

batter ... Nentree is sincerrieg soft diers harder, the record of a Diesel - mare adequated plants for annexator

PRIVATE FLYING

Beech Model 18 Popular Choice For Feeder Line Equipment

Twin engine monoplane frequently specified in rouse applications; order for 50 for post-war delivery placed by Oliver Perlo: returning Beech-trained pilots expected to influence commercial operators in faces of craft.

By BLAINE STURBLEFIELD

applications on file with CAB either or both models mentify Bench Model 10 twin- Design Changes Unlikely-Deengine manaplanes as proposed spate much talk about the righ for standard soutenest. Ohvy Parks new post-war simplene designs, has placed up ander for \$6. The

for fixed base energings, for builtoperation by men of means who that endeann will induse many with war work. This work dynder availies distable goods in mind, in

several companies feel that their were halft in 1934, a decade are into two powerts: (1) Production of wine nesembles, including ne-Douglas A-36 attack plane, and enterprises have been stopped for

Doublity Plant - Brech's plant,

The company figures it can use port. (Beech planes have been sold line facilities, unmediately after war work stoon Beach Grares they can be removed to the flight Freet-war Program -- The fact that ments have been made on all varisigns does not mean that they have





West and Alasko, shortly before Pearl Herbor. The engage craft will be approved by CAB for feeder Model 18 can work at extremely high altroaden, car- operations, which will make the Model 17 elsable AVIATION NEWS . August 7 1946

Model 17 brokens at right, an cestrianing ringle co-



And other serial above showing the description existed on energy installations This photo, as poolably were the others, was made with a Friethild carriers.

current at overwhelming numbers in an incredibly abort second of some, the recognishing for marketing them much always solely on Francish . . . for me

It is from such an organization . . . proceers and leafers in the most emplian automotive camera developments in the days to come



ER DE VAN WYCH BULLTIARD JAMAICA E N. Y . New York Office. 475 Tenth Sythur. New York ER N. Y. THE STORY OF AUDIAL PROTOGRAPHY IS THE STORY OF PAIRCRICE CAMERAS AVIATION NEWS . Asset T. 1966



is done by subcontractors. Thus, 60

times the 1962 rate, they was de-

which, they see, gives weekers the

Beech succeptive system has been

adopted by some other sections of

the industry. Off the record, in

Figs Let System-Mostly because of the large number of types in

thought unrecessory and expen- was offer manager and secretary to

taxe, in about 25 seconds, at the end of a shift or before a meal ner cent of their present volume period. The stand-still line per-Burst mannewer supply is good and power lines, and the men can unctimily on the prographeral

excurrentes, managements, and workers are pleased with the exerplex of industry the way has The biplane was tapered off when war come, and the all-metal highly yessatile, monoplane was FCould Produce Big Planesstepped up and is in heavy producmake austhing else unless it is accounty Their large amerebly the United States, and Alaska, basidings have a spon of 140 feet While Reed was expendent Sebter mannous, required gives

veloped on Incentive pay plot > Officers-Welter Beech, president ing the past quarter of a century,

lest and general manager, reased graduate and has an impressive Naval Reserve and has a commercast palet's license with instrument lane When an agralanc reaches that rating el 175), singler to commercial

Often Ann McTer (Mrs. Walter 21) Beech, secretary-tressurer,

the president of Travel Air Cois 1903. She is a member of the Wicksta Chornber of Commerce and Women's Association! Asso-

CAA Adds Technical

Information Section In line with its proposal to per

Beech Lineup h Air Forces AT-7, long years

two radders, powered with calcutal meripation dome for eraci two 200 by annual Air Forces AT-11 advance ment sender to commercial althory, including anti-cond Air Forces F-2 photographic

Nerv JRB-1, -0, -3, and -6 this "source" traffic equilled the planes, articles to C-45 Azr Forces YC-40 and Davy



Shipping found a windfall in low-cost luxury travel

followed World War I can be reto POS, with immigration reduced to a trackle and the Fixed





AVIATION NEWS . Accest T. 1966



"Revenue Can Be Increased \$11200 a Year by Every Pound Saved"



HE TO SO USE DUE DIAMS CAVED BY BOOTS WHITE

· Being all metal, they are · Newmedonesey tracolailmay

TOTIGHEE and SAFER as well . Will be standard on commercial · Approved by all government

· "Outlast the plane." evision accines. Market Planes - "All West And No Play" - 16 was, 10000 - 39 minutes

SELF-LOCKING NUTS Santa Mirgratt Not Corporation, Greated Offices, New Corpor, Comm., Empt. 1 Secretarios is New York - Oliveys - Select - Belles - Indicessorie - Inchesola - Barrer Dio - Delles

"Through Jessons Jearned in the modification of beary bombon for

greater utilization of our commercial equipment for the transportation of matériel and personnel necessary to the war effort. Continental Air Lines is placing increasing emphasis on the returnation of unsecondary weight. We estimate that the actual revenue ner pound per year derived from our Lockheed Ledesteen is \$112.00 and that every pound saved not only represents a comparable increase in carning coparity, but provides additional

transportation for missions vital to BOOTS WING STYLE HEX HET

SQCBLIFT 2008/11 Level weeks of ever constitution of source () decisions are

THE AIR WAR

Confusion on Horsepower Output Due to Engines' Varied Ratings

Commentator explains War Emergency Power categories and why one engine may be labeled with several sets of perform ance figures. Recent consumerates of the descriptions and comparesses of

| Recent Claim Agained - In

muslending. In Leckbood's state-

months are it was mentioned that

the new model was powered by

rating 39 percent higher than the

to). The engoes on the P-38 J

have a takeoff retang of 1,435 hp.

statement in their armouncement of the 50,000th engine about four

gine No. 1 of the V-1712 series was

rated at 1,000 hp., whereas costine

two 1,600 bp. Alliuon enitron, n

Dephie Allians engine with top values approaching 2,999 to , and cells at Prott & Whitney's Ent Hertford plant canable of handler r eninges up to 4,000 hp, when the now or men in the works which a However, when an arreraft enrine is stated to be of 1,500, 3,000 or 1,000 hp, what does it setually

mean. It so happens that, despite the classic deflation of one harse-Fingine Rafings-Fur example, zz. 1,400 hp, for takeoff at sen level,

moc. in the case of a fighter). The some engine may turn up 1.489 hp. at \$5,500 ft in so-called military power for combat (maximum 18 minutes), or 1,900 hp. at 27,000 ft. 5 minutes only—to be used in extreene military emergencies; W.E.P. includes water-injection

need to know as a life or death terest, among other reasons as a help up evaluating the claums of company application and adverwas internily true about Horsepan er-per-Cylinde 12-cylinder V-type bas engines all reachly met th

and Also the British Hen-

American Wash and Cor. 40). Through improved i eds and better fuels !

Sir Roy Podden has re 1.750 hp. (thu engine h

No 50,000 was rated at 1,000 hp., per cylinder is expected

SUPPREORYRESS AT INDIA BASE With one of the happ B-20's in the beckground, some of the Inc. and worses who helped basid the ornal propert are about as about their present work of keeping the fields clear and read-



AIR STRATEGISTS OF SOUTHWEST PACIFIC MEET:

Playeers and executors of the air war appared Jopan are shown here as East Air Forces, was formed, embracing May Gen. Ennis C. Whitehead's 5th Air Force and May Gen St. Clair Streett's 13th. Left to right:

becomes of American Banks ner extender or 2002 by (The engled models brunging the Alliana Y-12 to 1,000 hp plus, and the 24-cylinder V-3620 to 3,000 hp. Darmber-Secr 603 is in the tame be ultimately rassed to \$60 km /cvtindex or 2.400 hp., so this engine \$ Sett Larger Engines - Other reaches its full development There figures make the appropriat 2.269 in production which may be expected eventually to have scornal-Habaned Navier Sabre entite (tt. mately the same ratings as our the Bawker Typhoen and Temannounced figure. It also serves as a reminder that there are other variations as to engine efficiency

Much larger power-plents see on the way, however These include H-type with 25 crimders, which may ultimately develop-4599/4692 hp. or more Another than the horsepower-per-cylinder. type is the four-row radial of such as weight-to-horsepywyr.duwhich the new French Guome- mr as well as in sexual combat b Assertion Radials—On that bons

the averaged taken he rations of the Peatt & Windows Twin Wann CR-LIDE 14-estinger, 1-588 bit 3 and Dechle Wass (R.2500, 12. cutinder 2 802 hrsh arrear comservative. The same goes for the Wright Cyclone 14 (R-3600, deuroations infante (2,000 cynals rubic tech displacement. R mean-

Improved versions of the 1830, the 2000 and the 2000 are near 75 sent greater takeoff hp. white for example. This has four rows of seven extinders and for-asseted cooling, and was developed from the Grome-Rhope 14-cylinder (1.600 hm) and the lauretinder engine of 2,200 ho. The 28R is said to produce some 3.200 bp. at 21... of the Posts & Windows services which is expected to be handled in the 4,990 hp test cells as of this many and probably in England as

59-Plane Red Ace Got 48 with P-39

The top Allied are of the war. credited by the Russians with down 45 of these phases while flyrag to a Bell P-39 Aircrobra, Bell officials said they have been noti-

Nine other Red Air Force nees pinnes each in the Airscobras, accorfung to figures given Bell Aircraft Curp by Lieut Gee, L. C.

h Experies Soviet Physical Late of have been Arrecobres, a top favortic with the Red Air Enree, in



CHINESE HUTS HIDE U. S. PLANES Assertion suggested undergoing reports are stored in these correlation recognificant structures in a dispersal area in Chros. A Cheeces relies,

with dend becomes in shown standing guard as mechanics repair craft AVIATION NEWS + August 7, 1944

Phillips - - - Salutes



with a great record.



PERSONNEL

John S. Weller, according to the vicepossident of United Air Lines in New of the Fort Worth Dresson of Con-

Oty, Kun Wilker his been a di-



J. H. Bearden, Saymer procurements supervisor for Glona L. Martin Co.,



Hath C. Robbus, former devoter of



ters will be in New York Price to Creaspoortnestal & Western Arr's

eleven were open to recein Amer-



Corn's slesse in New York are inspected by three high-renting officers

DZUS for simplicity





A quarter turn and-click the Drug spiral slot fastener is open or locked Teston many then over before the semalishy

of the Days dosign is the main recorn for its wide exceptance in the exterior industry on the dependable festions. It's every to install, quick to exercts. Ne knoles or godgets interface with its swift assessmen. No special trade fastener. Vital points on the madera airplane requiring frequent impaction and servicing are instantly accessible. This helps sleek The word SEET as the ampairmed trade

In Company - Bankens and Preser Incommunity Gara Util

receives dayson. Water H. Miller.

Brit. Gen. Field Herris, a veteran of Mesor A Berner will serve as old tradite monature for Department Central Arrives at Pathburgh ofter

with the Air Trensport Occurrend Meurice H. Com has been appointed

Crim jound Broad in 1999



partition agent the Brazeff, Dalles, best. He will ru-

William K. Swigers, manufacturing ad-

Louis Gipsy Engine plant and Pacific Ocean Areas, was awarded the Legion of Merit by his services as Charactery Air Perce. Pacific

Beir, Gen Lyana P. Waltson was prescreed the Legion of Ment by Mat. Services Division, Office of the As-

THE NEWS VIEWS ...

C. Edward Leasure

ing from Catholic University in Washington in 1921. After serving ICC in 1928. The following year he

Leasure sounted in setting up the father" cases. In 1909 he became

mer of the Cryst Asymmatics Board, is a man whose position, interest in avsidion bave made bim other governmental departments lives in Washington with his wife all of whom have flown. He pre-He is a native Washinstonian. been on New Year's Fee, 1666. He

mm N. Bebeen, CBS's staff produrey and denoting and stary Ber-Longitude is suffer of the original marger. The complementary series heard from # 20 to 1 p.m. PWT on the Blue Network from 7:30 to 8 Co, has sessed the staff of the Way Until recently. Boyd was with the

two years. He will serve on a vol-



DSM FOR AAE GENERAL-Line Ger Millerd F Hermon (left), commanding general of Arrest Air Forces to the Henry H. Arnold (right) in West-

To not the Free police what has this to do with broaching?



THAT depends upon how you look at it. in transportation. The wheel is a peetry communicate thing these days - yet the wheel, as time has proved, confort and correspond of Man. In its radiosestary form it took heavy loads from Man's back and nove mendoes energy of falling water, the water wheel har nessed nature to turn other wheels - to mind corn and to never the earlier machines which in term allowed Man to work fers . . and produce more. Almost appropriated it exerted a perfound infarrer on our

- refleoid, automobile, straigne - the wheel enables man to have far recore pleasure in the world about and far, Actually, civilination has speung from the ruts

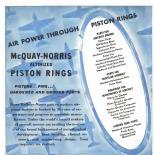


So, too, with Broaching . . . from a prisonedial type of deilling to present day precises production, Broacharg's principles have m driverse sizes and shapes . . . is perneut machinery making countless tools. mechanics, and subsides for Man's oven results consider and conversance ... pest so will Breaching become an inconstanty powerful influence up making

week and increase the soy of living







PRECISION WORKERS IN IRON, STEEL, ALUMINUM, BRONZE, MAGNESIUM



AVIATION NEWS + August 2, 1944

AIRCRAFT PRODUCTION

Transfer of U.S.-Owned Plants to Peacetime Work Urged by Wilson APR chairman tells Murray subcommittee of major contribution to feture of country as program; urges conservation of plane mokers' skills through establishment of human aircraft

production severes. The future growth of the country rangements, transport furtities, peacetime pursuits, Charles E Wilthe Scrate Military Affrica Commilitee. He urged that the new-

son mentions Dallas, Fort Worth, up at least partly in scale to the increased population and income new tenters and we will award the

office," Mr. Wilson asserted

War Production Board alone or own in major part. It involves, connecting two sections of the Boring Superfortress. Peterson inspected

the industrial issue-bow and and speedily b Volumeshiller, Parter-It is no-

papers that Mr. Wilson recognises

cultime to responsible private en-



gram cannot be handled by the PATTERSON TRIES B-29 TLINNEL

Mr. Wilson suggests, credit ay- the hape borsher at the Wichita Boring plant-

tion processes, is at least considerwanufacture in these plants be Mr. Wilson, on whose shoulders ery oaged that is muce would far outswith anything heretofore curried out "With the experience we that plan, both in its overall size.

Ideas Pay \$22,000

Lockheed Patent Remuneration navment of \$22,000 to eleven Lock-

players are given a fixed share in all profits the sompany receives

B.17 Flies 1134 Hrs. Without Overhaul

Four Wright Cyclose engines resunted in a liceng B-17 Flures to Weight Agreementical Corn. show coordinate after breaking by 56 and in its detail, will be far ra-The previous record, L975 bours

eged Fortress at Borwell, N. M. The new mark was set at Tendell. Field, serial connery school at Plan for employees has brought \$47 Days in Air-In setting the record, the Fortress flow a total



ORVILLE WRIGHT SEES 50,000th CECO CARBURETOR: Chandler-Engra Corp. celebrated a 50,595 production mark us six massfacture of corterretory for the armed services recently. Engagement the carbureter are, left to right, Dr. Orsville Wright, Cal Educard A.



LARGEST CURTISS PROP to note in quantity production at the Caldwell, N. J., plant of Cursexuality, issuest in quantity proto obserb emprecessately 3,600 kg.

Glider Repair Depots To Be Set Up by U.S. A remain denot for cluders

darraged during manuagers with manuscith Appreciate line, at Kan-The company's glider construc-

in retoring for the report program, H. R. Goss, plant manager. said a new weeking force would program, and that equipment needed to fulfill the new contract that a clifer repair promits in boone current out, since elicious reacraffy have been considered ex-Paythan, which was converted for recoverage the a subsidiery of beserve Ordinance Corp. of New fork also energies a factory at the



This problem is licked on many planes roder by the motor mount shows above. Our work is a contribution to the engineering of the core assembly; a! series of excel plates bonded torother and to the cope by rubber in such a way that it names all Air Corns tests for adhesion and about rate.

This example suggests our shility to handle rubbre to-metal adhesion and may indicate to you new applications for neasear products. We will be sted to place our engineers and laboratory Write for the IDEA chart and mg arttine Alask

THE CONNECTICUT HARD RUBBER CO Custom Rubber Molders Since 199

forms City Pairfax Municipal Rearein Airplanes and Engines. ANIATION NEWS . Asset 7, 1866

PRE-TESTED AND PROVED!



FOR MODERN AIR TRANSPORTATION AHEAD

MADE TO THE RIGID SPECIFICATIONS OF U. S. ARMY AND NAVY ENGINEERS The mirades of engineering that have made possible the age of highs are separated in the perfection of the first and labelmans developed to mate the action distributed with the second of the second

MID-CONTINENT PETROLEUM CORPORATION

TULSA, OKLAHOMA AVIATION NEWS - August 7, 294

J. & H. Financing Assailed by Union

succi sale plan finds to precess their eights.

The \$15,000,000 solet site plan for the second solet site plan for the second solet site plan for the second solet solet

heavily attacked in a morning

sent Jack & Heartz corplayers by

Matthew DeMore, president of

District 54, International Associa-

tion of Machinette Jack is a fermer business agent of the union + Analyzed by Law Pirm—Delfore

use which may be issued. The usual nests that the partners are receiving, for their congression and user in the congression and user in that we desired cost the equiphyon \$1.400,000 in peak out in both absentions are broding separation of tools, to the present oral not absention are broding separation of the company, that is not be the company, that is not be that to open appropriate of the company, that is not be that to open any the congression of the size of the congression of the size of the congression of the size of the congression o

name had not worth of \$256.010.

theet. Jack and he beriers.

Reich M. Hearts and William R.

Jack, have assumed themselves

50,000 fully paid and non-an-

semble shares, which alone carry

ecoditions which will present after the war. ..."

Filmind to Emphapees—Sale of the stock in being rigidly limited to employees who are readount of the state of Ohio.

Jack termed the union criticism: "undus" and predicted that if a world not him the miss of the bul-

Convair Converts Plane as Ambulance Completes of design and test

convergence work as in Entertainty were not the Considerated Various of the Version of the Section 1 and the Fort has been compared in the Fort has been compared in the Fort has been considered to the forth has been considered to the Fort has been consid





CANADIANS REVAMP BABY FLAT TOPS

Smainh and American specifications in Vascouser's Barrard dydeck. Shop come in from active service or from American partir and modifications, shall of any other attam-healing all puts so they one perform. A VIATION NEWS. A Americ 2, 3844.

In may climate, are mode Another exportest change in the patherning the decire 3-feet making new decidingth 463 feet. In preserve on right two sections are in place. Photo on left shows testing of substance turn Gerliken gene, instituted on the receives on Vanouscer. an are ambulance caree or trans-It also is reported that consideropposed many of the Newal Atr Transport Service PB3Y3 Geronadas from corno to ambulance planes to bring back wounded

the plane profitable for use so. I introduction Blacks-Water Aircenti Co. Truy. Objo. recruited more than \$56 workers by maring of sohs available High uncomer programs see beuse arend to out these drives rate

New Republic Bonus Ask Extension of Labor Recruit Plan

An employee procedive boxes of WPD bendommer mees widehas been read by Republic Avisserved adoction of workers' necties Corn , the company reveals . recruiting labor in strengt and shiebeddfror industries through uppersods of four weeks such new dividual management recommends totals 215 5 percent, or 63% weeks

Gets Navy Order

well be reprefered by Lawrence Wright Corn. Buffale, where an Agreement Carp of Lunder, held for one week. Each emreceived \$5 to War Stavens after other governmental agencies, ac-



NEW USE BOR BELLY TANK-

Alman as persattle on the ground forces' "yeep" is the auxiliary pur tenk C. Hills (right), attached to a Consolidated 8-24 Liberator group in sauthern fitely. The "past-put" was desseed from parts of a wrocked Jislian bomber. Crusing speed figures are "confidential" but are cer- homepower engines used in mod-



DIRECTION INDICATOR This new direct reading magnetic direction indicator to being made nay for 40 weeks' work, reflecting used on entitlery equipment. The openions reports if it the call oble in the United States. The of a standard 3% such haverenge diel with characteristics that result te quick response and high stobility

> New Willys Orders for the Curtiss C-16 Commando

and the Curtan SHIC Helldmer division of Willys-Overland Mo-12 feet long and three feet in diam-

diser. Willyn has been building wine perture for the Change

P&W Wasp Shift Production of the 600 hp singlerow Wasp at the East Hartford

plant of Pratt & Whitney has been Production ended after 19 swars printeally built in 1995 with an ceture of 610 km 21 was the Wase

ATTATION NEWS . Asset 7, 1944

druglic Pune for sircraft bydraulic system and for various industrial аррісанаць. Hydraufic Fuse can be likewed to that of the electric face, Neither fine affects poomal experience of the poten. But when the flow in either circuit becomes excessive. they prosect. Quickly installed, the Seamonth Peac is fight in wright (specoal-

tley measuring type, at is issended for terrories flow lines Secretafied installations of the Simmonds Pass as a delayed action purposetor valve phiving hydrodic cylinder design All pages magafactured in w cordered with AN specifications





Apple Simmonds pisceers . . . this time in the development of a summarful hydroulic fuse for the positive pretection of vulnerable hydroutic lines.

FUEL WITE EVERY TYPE OF ALLIED AMERICAL matrix 5 on). It operates success-What the manufacturers and felly recorded of variations in ci-Automation Sension Controls long been looking for-a safety of flow Also, it is not affected by demed device to protect the int sem from corredote fusions in the back pressure, surger, or large to event of a rapeared line - is now mounts of six left in the system by properties Meeding, Of the gamp available in the Simmonds Hy-

> fed for marr of America's leading serveds For further details on its construction, irrections, and New York 20, New York rises, we're today for free folder. Monotoning Posts | New York - Version - California

Dutherer Service Efficies Raylor - Munkington



are spleg direct to the Acres Air Forces Massered Cocamod for the dazurion. But when the war is won, they will carry 57 passengers costs to-costs on regular nine hose flights or fix to London and Para contribute. Flight characteristics of the new glusss of the air are marked by advances in the Link Trainer-which number incorrespons facing on the requal ... safely, withand most of lines or manuface.

TWA insurrented Link training Murch, 1938. Links are now in operation in Kasses Gry, Chicago, New Vod. Budsele and Washington, Connies rate Link sefesher courses every meetly to pilots receive 20 hours of Link sine in Assic. 20 hours in odverced courses, TWA has given Link training to 900 commercial transport pilots, to 500 other pilots under the War Training Service Program of the C.A.A. When you erwell on Heisel Store air Eggs, you have manufacturing contact, are, Guanagas, Oursin, Gaussian know that your pilot is trained, in case of need, to fly Link Transery, designer Sentents, and other products contributing

TWA USE INSPECTOR, AL MURCHER, places of "Seldown" about small BURGANITES, SEW PORE, S. S. A.

WHEN WEITING YOUR SERVICE HAN, USE V-HAIL-IT GOES BY ALE

AVIATION NEWS . Assut T. 1944

FINANCIAL

Sale of Aviation Officials' Stock In Own Firms Reported by SEC Disposal of 1100 shares of Pan American Airways by two vice-

E Bollins, a director, recreased his

heldings to 1,000 common through

purchase of 000 shares Ray E

company, bought 560 compon and

presidents and director, and Cassna changes, feature trading by air executives in equiries of their companies.

Sales of 1,100 shapes of Pan stock by three officials of the company featured surkers "meder" ing to reports made public by the Pryor, Jr , vice presidents, reported

000 shares respectively. Robert Free Burn TWA Sharm-Jack Pres, president of Transcontinental covering the purchase of 293 shares during May. At the end of that month. Mr. Free owned 3,694 shares of TWA consists. John C. Versality a sees manufact of TWA Thomas Wolfe, vice president of Western Air Lines, Inc., sold 200 ceremon, giving him a balance of

& Brandfu-Charles E. Brand, ware braight 200 Brazilf common on 1.195 shares unchanged at the close A late report filed by Edwin While, a director of Northwest Air-

lines, line , showed the purchase of 100 shares of the company's common in April through everyon of warrence His boldrary at the month end were 300 shares Dockheed-Among the surcraft Corp led the group with sales of \$,500 shares of the expetal stock by reles of 601 shares by C. S. Gross vice president President Groot holders at the end of Jane

The SBC reports above that Dwarfet S Wallace, vice petrident of 25,001 common on June 1 and a stock daysdand of \$5,691 shares on June 15. Mr. Wellage's boldings at president and peneral manager of that the \$0.002 shares held jointly word transferred out of the sc-

sold 400 shares, his eatire holdrags of Bellanon common

Isane M. Laddon, executive vice regulated of Consolidated Voltee

Stock Dividends-Several other officials of Cessus received stock dividends disting June. Priorit A. Sortiger, secretary and controller, Curtiss Wright Corn., sald the 200 his heldings to \$00 shares. Getta shares, giving him an awarenbuy Class A stock, which made up his of 600 shares, while Tom Saiter. chief engineer, received 510 shares. making his ownership 1,220 shares P Solve Alexant -- Officials of Solar shares through a stock dividend, of Jacobs Arcraft Engine Co., sold chosed 1.993 common, marriagen he holding to 21.629 shares. In addition, Mr Price owned 166 Pre-

Co. Inc., bearts 200 economic, year 566 Preferred A, giving him as 999 Preferred A at the month end Bandolph C. Walker, president 200 common, ranning his heldings common, leaving his boldings at holds 50 Preferred A. William W. 46,300 shares Timothy E Colvin. executive vice president, reduced her held may to 6,000 shares through ownership in the company at June Lawrence D. Bell, remident of Associates, Inc., sold 400 shares, Bell Awerest Corp., sold 6 500 com-

rift of \$55 shares in Mar. leavener

b Broker Air Chair-James C. Will-

his holdengs at 251,167 shares

mon, refuering his holdings to at \$35 shares 16.001 shares, Charles L. Senot vice president and secretary, sold Financial Reports Filelingen-G M Bellings proces-

on its common stock, payable Aumcreasing his holdings to 66,400 shares John H Ippott, a director, on May 13. A mornal stockholders'

AVIATION NEWS . Aprost 7, 1966



checked feel performance and con-

place chesistand recognition, that the

Petrolectronics writes history in the sky the looked like new other United specified many of the instruments Maintiner: but poly on the surface which reconfied combustion-chamber pressures, collader temperatures, and Inside the way a fining true rate: a

comment Inberstory in space. Abourd feenia and United Air Lines were sering for the few time, what went on issuer singraft engines in fighe. "Presidentesics." the notification

samption under varying flatz convasked that leaner corburence serrings poleum awards, made it possible 19%, that a certain type of spark

STANDARD OF CALIFORNIA

in the blusperring of more elicient atrocate for consumpty

grads of fuel selected powered their For Standard of California scienries this pioneer of all completely led so new fields of research-and Aviation Gaugline of the present. But Scandard petrolectropies hase's grouped there. It's greing our exteriors fuel more fighting punch ordey-and finding new wars to make it workd date has been set for the session. Evers Preducts Co. and sabmitsarter report for the six months model from 30 net profit of \$185 -\$241 590 or 96 cents a shape for the communication 1963 nerved reports for six months to June 10 \$219,226 or 50 cents a share last

Natl. Aviation Adds To Airline Holdings at June 30, 1944, compares with 24.2 percent six months earlier

An increase in article holdings by National Assation Corp. In portfolio show 353 necrest arrcraft and accessories, the same as cent for other holdings, also idea-3. securities and receivables h May Boy Own Shares-Carrent saucts were listed at \$7.280,572. corneration may purchase its own shares from time to time as con-Net unounce for the six mostles ended June 30, 1944 was \$125.772 and surplus was \$795,150 Perticile-The investment portfolio shows the following shares

166: Consolidated Vulton 10,990 of \$1.25 cum con old Curtiss-Works A 14 400; Douglas 4 350; Grungson 2,900; Lockheed 17,469; ean Products 5.000. United Aircraft 17,000: United Apprialt five

nest 17,000; National 5,000; Northwest 15,660, Pan American 7,600. Pennsylvagin - Central 23,000; Pen 6,000 T.W.A. 6,000 United oon pdd 1,690. h Others - Prestone 4 000 General Electric S.500 General Motors 5 581 Goodway 4,000 Gulf 2,500. Phillips 4.000 Standard Chil of

cave of obsence as head of the Natonal Armedt War Production Council Projectch P. Rebenson. George E. West assistant treasurer. tee are: Otis A Glazebrook, Jr., charryan: Robert L. Clarkson. George M. Gillies, Jr. Clarkson,

Air Investors, Inc., Net Assets Gain Total \$1,997,543 or of June 30 compared with \$1,052,765 on Dec. 31, 1943.

average cost of which, including communicate, was approximately FSlock Converses - Concident with the report an invitation was preference stock to tender, on or but not more than \$41 per shape. convertible preference stock to b Securities Held - The report

Fairchild Engine Files Stock Report at SEC

Corp. is the largest individual 237 cerumon or 20.3 neveral of that clost postunding. That is exof which he is the controllers stockholder, according to the company's 1943 report to SDC

> vice-president and manager of the Surrhild Average Distance and \$26,999, mbm \$500 in director's free to H. H. Budds, vice-president of & Magre was raid \$32 376 for level neers, and Allen & Smart & Co.

and fired received \$23,630

GETTING READY FOR TOMORROW?

...so are we! Fox. across know. Galiferene Fluer courses have always

PREPARING BRAND NEW COURSES FOR RETURNING SERVICEMEN AS WELL AS FOR CIVILIAN STUDENTS

· Avission is changing so fest today that even war mechanics will need advanced training to keep up

with its advancements and developments The modern's trained man of tomorrow will actually have a greater opportunity in aviation than the veterans who have not kept in step with solution's

rapid strides. So, while we are now 100 per cess eagrand in war week, we have discarded our old course, and have answered all inquiries with "Sorry, so more eared-

AND ALL MAN

menes till after the war."

Nove -

been and only pressed, but medica as every respect. Thes, when victory is an accomplished fact, you will fired a broad new Colliforing Flyers School of Acronisation, brand new resignment and brand new countri-

complete new courses for civilians and recursing servicence - specialization courses for proming war refers and aviation mechanics. We consist release the deputs of what we have planned, but in all macoracy

FREE BOOK OUTLINES AVIATION CAREERS We've sail a few of our 64 page illustrated camings Ther're obsolets in some respects. No obligation, no sharps The book is few Send for it only.

SCHOOL OF AERONAUTICS INC AMERICA AIRPORT - LOS ASSILIS AL CALIFORNIA



TRANSPORT

Martin Submits Preliminary Data On 30-Place Short-Range Plane

Drawings and other pertinent material on projected abore-bank transport for post-war production, designed to meet ATA-A1 specifications, are turned over to Requirements Committee. By MEBLIN MICKEU

on a Management furnicative short range transport plane de-Gleen L. Martin Co. are the first received by the ATA

calls the A1 classification. This is cures or both on surine services . Preliminary Desires - Models Douglas "Skybus"-Douglas Air-

craft Co recently released specifi- of scroot Martin found that the callions on its Skubus, post-war most economical strokene had a feeder line transport, with obvious wing leading requiring a 2,250-ft.

attention to some of the commit-The company that makes the

nesed Madel 262 as a shart various transport designed to meet ATAtions of the study deal with oper-

Interior Plan, Martin Shart-Roads Transport Designs | transport to counter ATA-AI recognizate Orber

a 1666-tool recoverage can be

> High Way Models Martin presented Models 202-11 and 202-12.

would not meet the 2.566-foot remeet the 2.520-ft recurrences edged that "it may be that a smaller attribute will be desired."

The 202 model would craise at cent power, a lorber useed than the 200 mph other by the overrurt. mened around the Wright R-2000

cortine. The execution would use





Dressings those top and side treate of one interior de-

AVIATION NEWS . Appet 7, 1946



Atlantic Cipper fight deck ceiling

Here are data on the Olego.

L. Martin Co. Model 203-12

sor level apports with 5,290-

Passeger especify 28 Nargal proce weight 22,000 fbs. Nargal proces weight 22,000 fbs.

empty 21,542 be.

Property, 12"- Migniton Std

Med. 1 200-11, lew-wing were

were useful least, 11,090 lbs.; writed tail area, 150 as ft.

2,100 ft.

Remay length for purticul cauties take.

Description of the last landing at sea level 2 man n

DISCOUNT PANYS BOD CLIPPER CYCLING ing for any arroraft. Almost 200 ap ft , the panel unit go on a trans-

the Prott & Whitney R-2866, and of the fundame. Under each open with some changes that type could heavy buildhards are included to * Advantages—The descriper sees a grash landon. The blich water verhigh wing type of plane offering sign was found 242 fbs beaver then the low, but due to smaller functors frontal area, the high wine plane would cruze 4 gapt, faster ventages as a shorter landing gent and reduced weight county. To belly landings. Martin added 200 entin convertable to entre or narversion would past 233 sounds Specifications

b Frank-Darret from costs for the lows: fuel, \$35 60; oil, \$1.30; plane ground service, \$7.30, fret pilot, ance, \$429; passenger service,

FAA Incorporation Officers of the Feeder Airlines want recent Washington meeting necessary to conform to Delaware critis between McCarra and Los

president. B. B. Otto, secretary. tree, is under way Servers, executive director, an ata - > McCoss Compiles Data--- Charged

> Headquarters Opened-Ongust.

House Body Studies World Air Transport Meechane Marine and Faberies Committee expected to reconmend that recogniship firms be permaned to enter forties air transport field.

Whole exciption coules in West-Merchant Marine and Fishenes texneteced to draw up a report on

House group to make a report is

Merchant Marine and Ruberses day parently, is powerful enough to get other, results in a deadlock in the legislation is concerned. Confertion, probably invalving conseqlreys McCann, formerly coursel of Obla 1 new TWA vice-president

San Francisco's Rea Richard Welch recking minority member h Conferences Held-McCann conferred with Austiant Secretary of State Adulf A Berle, and Box

uchard with CAR Chaleman L. Ports likely to be made in the

Air overstans by steamship com-

Civil Arronautics Board was orecustified if not to take guyr, at least to play an important role as

Service Changes Agline service changes reported to Croil Acronautes Asserting Additional roads 25, additional round log. Chromy for Worth AM M. additional sound trip. Chromy Evited, AM 7, Union additional round trips, New York-Shiften A service during a service of the se \$25,000,000 Detroit Port-Resort Planned

delly on AM 5
Nitipent-Service started at
Watt Pills Seath on one round
tein delly on AM 30
Nicipent - Additional round
tim Seathous Missessentis AM 4

A reman of Detroit's lendance wanter AM SS, two scillions' round trips Defroit-Chompo AM United-Additional round trip Weshington-Chicago, AM 42 and AM L additional trop New York-Selk Lake, AM 1 5.075-arra one would be a mile Effective Aug 5 Colonist — Two additional and trice New York Managers'

Detect Plane \$25,000 888 Lake Airport: Model of recorded \$25,000,000 Durant corners Plan controvalates developing a side out of Lake St. Class

port, closely alited with forcum Before the end of the war, aircraft will be available in sufficient provide a field that could be exnumbers to enable domestic ar-

operations but also to be prepared Downtown Terminal Problem Linsolved

therefore, without ships immedi-Jaint Airport Users Conference bility of having all their pre-war meetings closed with no definite manager traffic over their coates solution for the problem of bringpre-war shipping rouses with aur No type of "choses sistrament"

Oliver Parks, air school oper-Unsted States for foreign our trans- small communities with close-to faculting and operating industries centers. He said he meant to in-

clude such places as Manhattan

it would be connected by a two-post-war postlems, made bitle or mile causeway and bridge. Two- no meetion of fature pountifities male rusways, bathing beaches, in pletforms with enterest and avperson grounds, museums, sports restlar gran

THE NATIONAL DEBT— and Your Postwar Job

Coming upon the besth of a resonar texture depressed, we we have one man and a drive to yet him the everage has been as the control of the co

But what of the foruse?

Alonsly our motional debt has reached interestential proportions, and it is going higher. The depression retain face of uncerarity does all but parallepted one specific of empressive genus, and our statusal instanct for expension, pageons Bairly to return promptly if inclusted arrivery segion is certainful face long teacure of automatic parties are presented in the control of the con

array agent is common an ing section to assume an temptors. It being fought to make man free. But our thin we is the large free through rediring compone show. They is marker cognomistly which we on the house frame cannot sould any state that we can bodd with aread our learns. That is the problem created by our further than the common than the common than That is it was handed billing dollar was it inferes the

deplexing public deel to think odder war. It refers the Two of every one of in. At the ward of the war, de public deel of the War, de public deel of the United States will be at least not more it the recent you've belless of shorts war as the out of it the deep receive for belless of history has been deel to the contract of the ward of the contract soons of the country. The interest charge shore wall be about 1 per core of the rational issume: If the backs were preside energy amount shore would take at many 11 th of we can charge a short would be about 1 per core at the rational issume. If the backs were preside energy amount short work part deeple, some the short pass congested by the deel wall keep the country part by destroying contracting engineering.

and flustring the cusput of goods. Chain blockes that the use of the debt does not matter because we use it to senselves. They means that if A is treed 500 to got \$100 towers to \$8, A bat \$100 loss in speed and \$8 has \$100 notes, but both agender have the more amount. They, thousand, hold that the domand for goods and the volume of employment remain unchanged.

In one loop dolt bound in he creating borden which method regions and loom the attentive waterful of longs, or will it susply admiriture income? May the longs, or will it susply admiriture income? May the income and the susple susple susple susple susple susple from the longs of the susple suspl hose now that own meaningly morping over grower that are the state that the contract the Darish Stewn stee the Manifest Stewn Stewn

The political production of th

will palse the mission of increasing approximates, and the transic of allowing to the wireless of immense the values to the control of the wireless of the immense that the 4 He desire, would placehood storage rations of partle holders, and the engineer of the processors are madayly the state or advisible of releases or that the experience of a fiber to the control of the control of the control of their transitions and allow the subsection of the control of present releases and time for associated of terms, the endough of the control that control ones. The and control of these the entire of their control control of the place and control of the control of the control of the place and control of the place and control of the control of the control of the control of place and control of the control of the

Det whit is the siturina indep?

Teday, non-backing corporation over nearly hill of the
Feday, non-backing corporation over nearly hill of the
visual less than one-fourth. Not more, and probably less,
than non-result of the delt is held by person earning less
than the state of the state of the state of the state

SEGO - whose he cannot recorve ther fourth

Today, short half of the sevenues of the Pederal government come largely from turn which ment be required assert agon ale continue of new pole. If these conditions

continues and only heard shade with a chorum series. The cost is had not support the cost of the cost

one of all addition, that the very compared to the property of the compared to the compared t

on prediction and regologome, one people four the singlemediates of the down with him a delitation of the colmical control of the collection of the part of the distribution part of the distribution of the collection of the part of the distribution of the collection of the part of the distribution of the collection of the collection of part of the distribution of the collection of the colper of principle of property, baseline acquirement and many individuals will refer year according to order to predest the collection of their pack, of the part of the collection of the collect

AVIATION NEWS - August 3, 1946

evietly and speculation rue in price. Thus, reduction of the date can be made a device for void-bidg our occusions. There are two either receives why reduction of the date will be described. In the first place, it will help prepare the country from only for a possible thand World War. Determined is, we

will be deressible.

But he fast glade, at mild high prepare the convert fast, but he fast glade, at mild high prepare the convert fast was that the wor shall be the lost one, consent worse with the contract of the fast of the contract of the fast of the contract of the fast was the contract of the fast word of

One of the temporary management of the control of t

uson, the learning, and the requisity importure imbelled and engrenting skill of a nation. In resport what two of millions of a suit receiver the mean of millions of a suit receiver embers the skill and the state of the state

public date not well individuals have meet ment a marhau in government bonds, and the country has shown little inforce in avending the hind of tower that reclose the demand for labor. These thereweight, also uses, are demand for labor. These thereweight, also uses, are laborated to the control of the country of the laborated that the country of the country of the laborated that the country of the country of the laborated that the country of the country of the laborated that the country of the country of the incommentation of the country of the country of the incommentation of the country of the country of the control of the country of the co

Show H. W. haw .

Six-Runway Compromise Plan Adopted for Idlewild Airport

Design, which may be extended later into either conventional parallel pottern or taprential plan successed by American Airlines is adopted by three planting committees

By MARTIN V. MERRITT

three years and that four such air- is possible to add more runways as

A plan instally providing six posts would be needed in inn American Airlines has been adopt. Add. Decrease the plan although ed by the three groups in whose used before, is considered radical, \$360,000,000 Cost Likely-Est-

by American Authors' Glaro Market the Monor's Clear Polate' Committee, and the so-called "Top gurees tals of Essiern Air Lines, who, The parallel design, originally PPlon Fits Bath Patterns-The ser, city engancer and designer, was considered by some autime

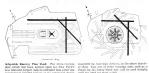
transport at \$58,000,000 to \$50,000 ... learned by ANIATION NEWS last too high for experimentation. Fur-David L. Behneke, fought the olan

> surface transportation difficult committees occasits of two sets of three runways, each of which is a provide sufficient facilities for the

way plan can be extended into Mayor LaGuardia has approved field. The those will be 10,000 feet. 7,900 feet, and 7,550 feet each, re-

sary when the design is developed August have ranged from \$60,000 -510 000 999 the fund about \$6.0

Burbbor about \$7.500.000 saare for the field. This latest acconjumps uncludes more than a he torn down before May, 1945 Present indications are that Idestral operations early in 1945



AVIATION NEWS . August 7, 1966

YOUR BOWSER FUELING SYSTEM

is engineered

to your needs

Bowser Aristice. Feeling Systems are made in a wide yange especially of 4,000 st. p., ps., If, however, your special needs

Here are reak a few of the more exportent respons . . . Xacto Meter, tiln werle'n mort widely used meter, every

CLEAN, DRY, SAFE FUEL-A straker, placed in the

ence as liquid control speculate since 1565, and by He specific experience in the finding of please, since the birth of the swatten industry. Aviation Dynamics. Represent Inc.





AVIATION NEWS . Assout 7, 1946



Speed Stressed in World Route Case

expedite bearings in order to com way for operations of U. S. The furnish complaint that the and South Atlentic route applica-

bearing conferences, the Board do-In soldhen to considerize dates of exhibits, and inclusion in the moped of certain decommentary

but would not agreege to prove operversioner and necessity for any route cetlined by the CAB. He evidence of their finential ability to undertake pycricas speration * Applicants - Bread Airwork Alreana PCA American Expert

Arritage, TWA, Engirery Av. Lone. and Northeast Airbres are appli-(steamship) assessmed intention

from the case, recuesting that its. Board has yet to act on this

Heavier Runways Name delegates to the Joseph

One speaker, resceptives occurrie. feet wide or more Other to be so much as 18,000 fret.

of Justice and the Bultimore Avi-In addition to new rootes apolled

Evarence Thomas I. Wrene South Atlantic Bornes...The consented-American Expert. Seas. Shranay Co (Steamshra), PCA and Pag American Eastern TWA and American may intervene De-

consolidated for bearing, but the

CAB Warns Airlines On Local Pressure

Tells ATA of completes that too urned to exert inflavore on Board to favor certain count ap-

CAR said the arrines had September that its documen would complaints of this type have been

a Culled to AVA Attraffer. The

forthearmer from such efforts in when it was written " Efforts by new youte applicants which requirements of public con-Since the Board was established as a quan-indictal agency, if feels arm Part Authority and New York. that the industry should be sex-

loss to have it act in the same sta-The South Atlantic proceeding is \$ Cites Court Procedure-To do so. better hundled by Exameners Wile the letter asserted, "The Board

Pan American Asks 3 Route Extensions

sirling bearings.

& A route from New Yerk to Mos-Rateogoo of Pan American's Mo-

co. reste to Coprisen. Union of York for Manna as the U. S. terrowas, and eliminate Lague, Nagerra, addition to the extremons saked.

porthern route would be extended from Lendon to Paris. Berlin and cutte, this route would complete that restrictions on frequency of

Should these sevendments be position to after the maker the cutoffe and other amendments of efficient of feeds that it will be able) Other Applications-Res P Recry Tarona Wash, double brancous Flightening Up-Amendments to American applied for radicate that express service on feeder routes in

AMERICAN BOOSTS LOAD CAPACITY:

\$325 pounds in its new Skylreighter dense. Photo should evaluate metal across compartments and base. The three famount carry 750 lbs each. 12 is passenger cabin section 166 each, and one in the year 576 lbs Note metal strugging in mole to facilitate officing of wait pourker and Washington, Barry proposes to use

considerably. In addition, an exton Trees is spirit, with a re-California. The applicants now from Eastern All Lines truffe it

Phila, Service May Resume in November Philispitalia should be recer-

Nartheast Airport by November representatives and city officials Burnaye Consisted The free will include mutaliation of temand heading lights Construction receiver will come from National

carriers certificated there--Amercan Rattern TWA and Duned-

month of Medical Dels of course (Institutional or 'The Stone (End dies companies order or Course), the Course (End dies or consequence of the course of the will be withheld loss paths common at an ottopic dear expension for dron martie the experience receives such which finged death description of the second death of Americana. It As species into Mariel The Dates arrespond due to require fails it has been evidented to the place of the path of the second of the second death of the own amends to their loss on their the

Radio Technical Unit Reactivated Communication streks to street ap-

ride advances to civilian use. man of BTCA convents a many DARNELL

problem is to make available to

For Amore an Avenue and Towalf Arings which partition to all conditioning for solid school. The pine lines introduced for solid school in the forest partition of the forest partition of the forest partition of the forest partition of the control in the American Address and for the Conference of the American Address and for the control of the American Address and for the control of the forest partition of the control of the forest partition of the forest partition of the control of the forest partition of the partition of t

remoti.

3 The Franci hand that to explor as do got; not respect to authors the respect of Transcontinental & Waiters At h sports and the stage of t

Cold

Excitors Air Lines filed notice of its intera-tion to open expensy service hermone Colon-less (in. and Ninelpowers, Air, on AN 9 * Approved Addison and Walter S. Walters

com in AM 5 Al De austrating melocities and in one 2 and 5 a

ofirmose of warper system

Minterrupted by War - Arrenal

Communication and Necession. Vendors of the spiriture remarking broken but the place of the place o

that of the Ends and Mergerifered Alf-Erands CAA Collectorum; C 1 Mergeri, Se manifester, Chris Assessment Affandal return

in responders for the first half of 1944 avec the 1943 period. Number was 148,621, emplaced with 90,591 Cawlened alr-cul repress was 107

made cosh work Four surrest are an its ATC overseas operation. At

then 4,000 intereoptionatal trips had The C-M transport samping patunds from Scribert to Markett was fewn by a TWA grew wood.

lighting equipment is proposed installations at the Patricent (Md)

Non-Scheduled Air Service Study Opens CAB expected to follow lime of

lavel feeder-nickup insuier. rently completed, the newly itstructed study likely will be conducted along the same lines It

of the many requests for certainreach as the international applica-Exception-In 1988 the Board executed non-sobodated appraises of the industry requires a cleater definition of its rights and privi-

CAB will hold public hearings at which representatives of the re-

services, types of operation best believ, exeditions under which the extent to which the overstoon and extent to which existing

Revision of Lighting Requirements Asked Broadwoore persons of WPH's noise (L-222) coverant arrort

The proposed smeatherst would Real job help-McGraw-Hill Books tree Greand Lighting Equipment."

b Need for Development Stremed-

narkent and lighting side far senplane landenes Equipment was and from the sir through observa-HAMDROOK OF AIR NAVIGATION Tourses Commend At a follow-up discussion in moreting metters, subjects in-

To give you a combine subsequently of the retire-lying theory and invasions assumed as to except the property of the company of the company of the first super-regard for the supersymmetric Contention of the Newsymme har the foresting of temperature or says proving an above to retire. This leads prim-tice the content of the content of the prim-ter in determine the primary profile on High bow in determine the primary profile on High-tory do not come may no while beliefs in by the next of print maps, or whitely it applicant majorition and the next of the clear plan for the plan for MATHEMATICS FOR AIRCRAFT ENGINE MECHANICS De-Icing To Be Topic

carrend

At ATA Conference of here to do a, indigened by a weakening commit there will assessed as a real profess ignore of the back in the auchinology of the P and care at assessed measuring teachers they are replaced in the reper all regions, many Jin a Feb. III disquesters, ECS AIR NAVIGATION MADE FASS

Sy James Nudell, Chaluma Delectors Markette Markette Nat School of St. Antonio Rat School of Assets Ames Assumusion! Isbaratory. be marted for everyone gipter if there will the remanufacture to the course of the state of the course of th Speaks Wednesday-Rodert will

Mail This McGrow-Hill Course New! ATA's Pormering and Muste-Belliaw Mill. BREY OF 180 28 M. One St. Nov York M. N. V. Stat on the basis desired basis for 12 days are placed on a party of the second of the co-tanguage of the basis of the co-tanguage of the co-tanguage of the coand engines, propellers, and comme

in these new

Venderhart Streeten of an Antonios M.M. Streeten Streeten of a Street Date Street Street St. C Manager of the Section of the State Comp. 11 70 Affect

Change of the search is U.S. and Panels can I

CASTERS the exact caster or wheel for your indi-

vidual requirements in the Darnell line.

a flight error of man

The latter are Allen L. Morne velopment Devision, Harry Purnell chief of the instrument and b Timed for Plane Setume-The Aircraft Reguerements Commit-

tee members will remain in Cha-ATC Cancellations Free 400 Flyers

Prices and co-pilers being reabout 400 points and co-prints, 225 released for regular autime nervice

are to be out Aug 15 and Western so far as possible to fit in with the contracts. Adversaries will follow over- where of places and blighy in-

that recovered by Civil Air Regula-

A Pages Pressure-One effect of the tract work. Some time are ATC capcellations of domestic contracts. was saked for permission to make As was forceast, vertacity all of fused. The plan asvolved use on

the descript document and weather. This time of ATC contract has been. ATC uniforms of shoulder polither although presumably still streng sment Jpes with overstas ATC

So. American Cargo Potentials Studied

fied by the traffic says the Depart-The Department's Transportscountries Brazil was rejected for Bases-The survey led to the from amount to amount mucht

authing but commodities. But il et is so small that it must be carstudy, 476 expert and 47 unport eight times volume of imports in weight and three in value, a curexemplance expected to affect ad-

Past-War Outlesh -- Without at Yabre ner naund, nershability,

fragility and style factor (decline

Aluminum Intercoolers Speed

Illa Feed Liberator Outzart Nation (Bull to Design plus Stiff to Produce is belong to probable consistent production

position of Wighter man belon stated on one of the world's most officions have prompted assets of Tener have marked facilities a great manual on here transfer assets facilities a great manual on here transfer. FEDDRES MANUFACTURING CO. BUFFALO 7, N. Y.

CAR SCHEDULE Ang 1. Robb der in the Engles TechTHA. account presenting (Techn 1981) Ang 2. Erich der in the Chings dere Ende tropic spie. (Scheden 401 m 1)

[161] out imageloc-fidebouw CS/III Pro-May 10. Debits for semantaneous in station-less in Protein Case Debits 40 on 1).

See in Protein Case Debits 40 on 1).

See in Protein Case Debits 40 on 1).

See [16] Out 10 on 10 proof from July 17 Bearing win probably be held at Abelia a B. Back as the New York Chicago core dus (Darbet 187 et 147) at 12 Abelian and held for an interpretation of the Chicago and the last as the Beats Handale com. riseasi For Tota properties. Any 36. Pudgeless hinds due le Amondes Appetus Expert type.

Ang H. Gunt experted in his New York-thiman proceeding (fitched 600 of al.)

Appetus Property contravent information

order confirmation via the Secret Particle

Reg. 5. Showing or Work Chart to Secret and

planting Showing 10 of al.

Appetus Showing 10 of al.

Appet

Substituted bearing date for Execution and Advanced Systems conduction of conduct of Advanced Spaces. United Air Lines' new passenger service counter at San Francisco etc. port, designed by its own regeneers, counts armong its facilities a con-Allowed invested similation of model of districts found in districts found in the f a present for exhibits to the 646s became Trains Feeder mast.

8. Exchange or excellent to the Facilita Comm (Serbert 440 et al.)

Count over briany deather Chief En-mapric Friends W Enwis and F Mercal Stables. (Quoint fiel in al.). Fortunes From Roy 1.

18 Temptine beering date. North Ap. Set 2. Schools being and related to both in the Goldens-Douglass and Set 2. School relation in the Physics Care

Essair Gets Electra For Feeder Line

UNITED'S NEW TICKET OFFICE



India Now and Post-war To constituterers of aircraft, arm rations, accordation) continued

necessories including aviation, pedo, accordence lighting and kindred lines The Asian Av Assenstra...... Commany well-degrand and from na on temper and ports in 1800s which pasces them in an assisted

THE ASIAN AIR ASSOCIATES Wavel House, 15 Graham Send . Saliere Estate, Fart, Rowley

AVIATION NEWS . Aprel 7, 1946

Winning World Traffic

K for most of us to learn when the American, the British plea for 50-50 division of trans-Atlentic Merchint Marine carried a majority-or even a frequencies and, moreover, it is known that Britrepresentation of American forces commone, an rapidly is abandoning any such home Lookung back on this and record, top sylation officoals here are determined that no such calamity. Crosser, chief analyst and researcher for the CAB. shall beset our conveyers in the field of interna- in a new trans-Atlantic our service study, is that tional fiving. They are convinced that since the America can be expected to renerate 40 percent. traffic will not stand unlimited exemptition, some of the passenger travel in both directions between form of agreement will be recognized. But what the United States and the European-Meditor-

This cuestion plannes official ion almost as no other sir-mended nations, particularly the British. who have built their empire on a firm best of have to continue that cohesion now through the services . It seems responsible to accord this newer medium of aviation

The bases for determining what truffle America coprocal rights." shall carry, or what any other nation shall carry, by fair respection of respective traffic-erperating power, or shall each nation carry all the traffic it The News can report on highest authority that Britain

One of the most important points made by F. II.

'The relatively superor traffic-supersting powreport says. "because it represents a strategic advantage of possible value in negotiation with other

Mr. Crouer understates the situation. The industry ean he same that America will obtain considerably more than 50 percent of trans-Atlantic the direction of our present negotiations with

Easing Restrictions

tactics at this time

For soores the Civil Aeronautics Administra-Jenning Rangolph, and avasten organizations Coun., Waterbury, Coun and Bristol. Counesame of special war regulations for civil fixing As long are as last November Mai, Gen. Barney. Giles, as Chief of the Air Staff, wrote Mr. Ranine existing directives relative to control of fiving "as seem desirable," and that "some relexation of

Latest move by the First Fighter Command per-

armorts in sucht locations to the boundary of the

eastern with defense area. These corridors start

from Hybla Valley Armort near Alexandria, Va.:

Blue Bides Airsort, Vo., Congressional Airsort, Md.: Readington, N. J., Monroe, Conn.: Bethany, These small favors are welcomed by eastern uniwater flowers beat there are reprofilement. If the realizer a continued of opening mere lating symbourd acronautical maps-if they can be printed fast enough unto the confusion resembling flight lengs of per-

The possibility of air invasion of the coasts has doned by defense authorities. Private fivers are willing to abide by any restrictions that are necesbelieve that keeping civil aviation on the ground. or in a welter of approved lates, is necessary to

AVIATION NEWS . August 7, 1944



America's Top-Quality Tire Has Kept Pace with the Fast-Changing Requirements of Air Transport

A vital link as our war effort . . . Acceptes longers that the planes and possessed records for safety and performance that call for the highest advantages From the very beautions of the transport, General Tire has been privileged to work with the arrives in the development of ascerals since and alled

the important factors of force life, soft involvings and ranged service ... with accurate safety controlling every step. is every improvement General Title oludies its command conservation to the

AKEOM OHIO





TAVY Radio Gunners in planes like the famous Douglas "Dauntless" dive bomber play two vital roles. Not only do they operate radio and radar equipment, but effectively cover the rear with two 30-cal machine guns . . . leaving pilots free to concentrate on their job of scoring direct hits.

The skill and daring of these Navy Radio Gunners is largely responsible for the destruction of hundreds of enemy planes and ships.

The success of a plane depends not only on its crew, but on faultless engine performance, and thousands of engines in military planes as well as in civilian airlines depend upon Texaco Aircraft Engine Oil for reliable and economical operation. In fact . . .

More revenue airline miles in the U.S. are flown with Texaco than with any other brand.

Texaco Aviation Engineers will gladly help you, too, secure increased engine life with Texaco Aviation Products, available at leading airports in the 48 States. The Texas Company, Aviation Division, 135 East 42nd Street, New York 17, N. Y.



EXACO Lubricants and Fuels OR THE AVIATION INDUSTRY